

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM. - SEMESTER- V • EXAMINATION – SUMMER-2016

Subject Code: 2250005

Date:10/05/2016

Subject Name: Pharmacology and Pharmacotherapeutics - I

Time: 2:30 PM to 5:30 PM

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a)	Classify sympathomimetics by different ways. Explain their pharmacological actions.	06
	(b)	Discuss pharmacological actions and therapeutic uses of β receptor blocking agents.	05
	(c)	Write a note on ganglion stimulants along with the names of drugs involved in this class.	05
Q.2	(a)	Write a detailed note on antihistaminics.	06
	(b)	Write about 5-HT antagonists.	05
	(c)	Discuss physiological actions and therapeutic uses of prostaglandins.	05
Q.3	(a)	Write about organization of ANS along with the synthesis and transmission of its neurotransmitters.	06
	(b)	Classify parasympathomimetic drugs. Explain their mechanism of action.	05
	(c)	Discuss complete pharmacology of cholinergic blocking agents.	05
Q.4	(a)	Define COPD. Add a note on its etiology, diagnosis, symptoms and management.	06
	(b)	Discuss various pathophysiological aspects of peptic ulcer disease.	05
	(c)	Explain various pathophysiological aspects of hepatitis.	05
Q.5	(a)	Discuss complete pharmacology of D-tubocurarine.	06
	(b)	Define & classify local anaesthetics. Discuss its general characteristics & mechanism of action.	05
	(c)	Write about synthesis and pharmacological actions of histamine.	05
Q. 6	(a)	What is CTZ? Classify antiemetics. Write about any one drug of this class.	06
	(b)	Define and classify laxatives & purgatives. Write their therapeutic uses.	05
	(c)	Discuss etiology, diagnosis, symptoms & treatment of inflammatory bowel disease.	05
Q.7	(a)	Discuss pharmacology of angiotensin and bradykinin.	06
	(b)	Write difference between centrally and peripherally acting muscle relaxants.	05
	(c)	Write a note on expectorants.	05
